

CONVERSION STEPS

- ① WRITE what you know over |
- ② WRITE what you ARE CONVERTING to on Right
- ③ Choose the CONVERSION FACTOR That has both UNITS
- ④ INSERT CONVERSION FACTOR INTO PROBLEM. MAKE SURE TO FLIP CONVERSION FACTOR SO THAT KNOWN UNITS IS ON BOTTOM
- ⑤ MULTIPLY ACROSS TOP + DIVIDE BY BOTTOM.

① known $\frac{24 \text{ floz}}{1}$ convert to $\frac{29.6 \text{ mL}}{1 \text{ floz}}$ → ② $= 710.40 \text{ mL}$

#1

③ 10 Conversion Factor

④ FLIP conversion FACTOR so The Floz Cancel leaving mL ON Numerator

⑤ Answer multiply across top + Divide by Bottom

$$\#2 \text{ ① } \frac{.5 \text{ lbs}}{1} \times \frac{1 \text{ kg}}{2.2 \text{ lbs}} = .23 \text{ kg} \text{ ②}$$

③
④
⑤

#3

$$\frac{6 \text{ in}}{1} \times \frac{2.54 \text{ cm}}{1 \text{ in}} = 15.24 \text{ cm}$$

① ③ ④ ⑤

②

$$\frac{2.5 \text{ in}}{1} \times \frac{2.54 \text{ cm}}{1 \text{ in}} = 6.35 \text{ cm}$$

#4 $\frac{5 \text{ gal}}{1} \times \frac{3.79 \text{ L}}{1 \text{ gal}} = 18.95 \text{ L}$ (2)

(1) (3) (4) (5)

#5 $\frac{1.5 \text{ kg}}{\text{1}} \times \frac{1000 \text{ g}}{\text{kg}} = 1500 \text{ g}$

(1) (3) (4) (5) (2)

#6

$$\underbrace{710.4 \text{ mL}}_{\text{FROM \#1 (1)}} \times \frac{\text{L}}{1000 \text{ mL}} = \underbrace{.7104 \text{ L}}_{\text{2 decimals (2) (5) (3) (4)}}$$